

Riley County

Estimated Economic Contribution of Agriculture, Food, and Food Processing Sectors 6/27/2019

Using the most recent IMPLAN data available (2017) adjusted for 2019, 23 agriculture, food, and food processing sectors were analyzed to determine their overall contribution to the Riley County economy.¹

These 23 sectors have a total direct output of approximately **\$130.4 million** and support **1,094 jobs** in Riley County. Running the model for all 23 sectors simultaneously produces the following results:

Agriculture, Food, and Food Processing Sector Contribution to Overall Riley County Economy					
Contribution Type ²	Employment	% Employment	Total Value Added ³	Total Value Added % of Gross Regional Product ⁴	Output ⁵
Direct Effect	1465.4	3.45%	\$72,529,453	2.60%	\$144,653,349
Indirect Effect	120.5	0.28%	\$10,925,057	0.39%	\$19,120,759
Induced Effect	251.4	0.59%	\$17,559,757	0.63%	\$30,966,351
Total Effect	1837.3	4.32%	\$101,014,266	3.63%	\$194,740,460

As shown in the above table, agriculture, food, and food processing sectors support **1,837 jobs**, or **4.32%** of the entire workforce in the county.

Another metric used to calculate the importance of sectors in an economy is their value added as a percentage of GRP. Total value added by the 23 agriculture, food, and food processing sectors is approximately **\$101.0 million**, or **3.63% of the GRP**.

The following tables document the top industries affected by employment and output, as well as a listing of all industries that were analyzed.

¹ Article on building a contribution analysis in IMPLAN that avoids double counting:

<https://implanhelp.zendesk.com/hc/en-us/articles/115002801513-Considerations-of-Contribution-Analysis>

² Direct, indirect, and induced effects sum together to estimate the total economic contribution in the state. **Direct effects** capture the contribution from agricultural and food products. **Indirect effects** capture the economic benefit from farms and agricultural businesses purchasing inputs from supporting industries within the state. **Induced effects** capture the benefits created when employees of farms, agricultural businesses, and the supporting industries spend their wages on goods and services within the state.

³ Value added = labor income + indirect business taxes + other property type income.

⁴ GRP = final demand of households + governments expenditures + capital + exports - imports - institutional sales.

⁵ Output = intermediate inputs + value added.

In the top ten agriculture, food, and food processing sectors by employment, the landscape and horticulture services sector is the top employer with **417 employees**. This table also shows the amount of jobs that are created by the agriculture industry in Riley County.

Top Ten Agriculture, Food, and Food Processing Sectors by Employment		
Sector	Total Employment	Total Output
Landscape and horticultural services	417.0	\$26,310,959
Support activities for agriculture and forestry	381.5	\$10,576,995
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	216.3	\$25,544,270
Animal production, except cattle and poultry and eggs	126.2	\$14,592,835
Veterinary services	70.9	\$6,627,042
All other crop farming	55.3	\$4,244,955
Bread and bakery product, except frozen, manufacturing	53.9	\$6,633,674
Real estate	37.6	\$7,520,970
Greenhouse, nursery, and floriculture production	36.0	\$4,078,489
Grain farming	30.6	\$11,103,773

The landscape and horticulture services sector directly contributes approximately **\$26.3 million** to the Riley County economy. The table below also shows the amount of revenue that is generated in other industries by having a strong agriculture industry.

Top Ten Agriculture, Food, and Food Processing Sectors by Output		
Sector	Total Employment	Total Output
Landscape and horticultural services	417.0	\$26,310,959
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	216.3	\$25,544,270
Oilseed farming	19.9	\$20,425,442
Animal production, except cattle and poultry and eggs	126.2	\$14,592,835
Grain farming	30.6	\$11,103,773
Support activities for agriculture and forestry	381.5	\$10,576,995
Real estate	37.6	\$7,520,970
Bread and bakery product, except frozen, manufacturing	53.9	\$6,633,674
Veterinary services	70.9	\$6,627,042
Owner-occupied dwellings	0.0	\$4,857,984

Below is a summary of all agriculture data with employment levels and output level. These values can tell how many jobs are represented by each agriculture, food, and food processing sector and the output they contributed to the Riley County economy.

All Agriculture, Food, and Food Processing Sectors		
Sector	Total Employment	Total Output
Oilseed farming	19.9	\$20,425,441.74
Grain farming	30.6	\$11,103,773.12
Vegetable and melon farming	2.3	\$363,248.97
Fruit farming	2.5	\$176,640.18
Tree nut farming	0.0	\$11.25
Greenhouse, nursery, and floriculture production	36.0	\$4,078,489.30
All other crop farming	55.3	\$4,244,954.59
Beef cattle ranching and farming, including feedlots and dual-purpose ranching and farming	216.3	\$25,544,269.56
Dairy cattle and milk production	8.8	\$2,891,918.66
Poultry and egg production	0.9	\$617,624.52
Animal production, except cattle and poultry and eggs	126.2	\$14,592,834.47
Commercial logging	3.4	\$90,680.64
Commercial hunting and trapping	3.3	\$65,013.17
Support activities for agriculture and forestry	381.5	\$10,576,994.90
Meat processed from carcasses	2.8	\$1,376,387.24
Bread and bakery product, except frozen, manufacturing	53.9	\$6,633,673.67
Frozen cakes and other pastries manufacturing	2.6	\$401,675.85
Wineries	12.9	\$3,860,539.91
Other leather and allied product manufacturing	2.5	\$227,352.02
Sawmills	6.8	\$1,667,584.06
Farm machinery and equipment manufacturing	9.0	\$2,776,239.16
Veterinary services	70.9	\$6,627,041.82
Landscape and horticultural services	417.0	\$26,310,958.86

All 105 counties in Kansas have an IMPLAN model and an agriculture, food, and food processing contribution summary. These values do not factor in the retail environment of food sales. Food retail is important, but in order to provide the most accurate picture of what production agricultural and processing contributes to Riley County, the retail sector was omitted.